10/530810

PU4807WO

1/6

## **PCT REQUEST**

## Original (for SUBMISSION) - printed on 10.10.2003 10:12:24 AM

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-2	memational Filing Date	
0-3	Name of receiving Office and "PCT	
	International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	PCT-EASY Version 2.92
		(updated 01.07.2003)
0-5	Petition	
	The undersigned requests that the present international application be	
	processed according to the Patent	
0-6	Cooperation Treaty Receiving Office (specified by the	United States Patent and Trademark
	applicant)	Office (USPTO) (RO/US)
0-7	Applicant's or agent's file reference	PU4807WO
1	Title of invention	CHEMICAL COMPOUNDS
īi .	Applicant	
11-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
11-4	Name	SMITHKLINE BEECHAM CORPORATION
II-5	Address:	One Franklin Plaza
		Philadelphia, PA 19101
		United States of America
11-6	State of nationality	US
11-7	State of residence	US .
II-8	Telephone No.	919-483-2252
11-9	Facsimile No.	919-483-7988
III-1	Applicant and/or inventor	
III-1-1	This person is:	applicant and, inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	BROWN, Matthew, Lee
III-1-5	Address:	c/o GlaxoSmithKline
		Five Moore Drive
		PO Box 13398
		Research Triangle Park, NC 27709
		United States of America
III-1-6	State of nationality	US
111-1-7	State of residence	US

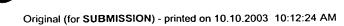


111-2	Applicant and/or inventor	
III-2-1	This person is:	applicant and inventor
III-2-2	Applicant for	US only
111-2-4	Name (LAST, First)	CHEUNG, Mui
111-2-5	Address:	c/o GlaxoSmithKine
		Five Moore Drive
		PO Box 13398
		Research Triangle Park, NC 27709
		United States of America
III-2-6	State of nationality	CN
111-2-7	State of residence	US
111-3	Applicant and/or inventor	
III-3-1	This person is:	applicant and inventor
111-3-2	Applicant for	US only
III-3 <b>-</b> 4	Name (LAST, First)	DICKERSON, Scott, Howard
III-3-5	Address:	c/o GlaxoSmithKline
		Five Moore Drive
		PO Box 13398
		Research Triangle Park, NC 27709
	Chata of making alike	United States of America
III-3-6	State of nationality	US
III-3-7 III-4	State of residence	US
111-4-1	Applicant and/or inventor	
III-4-2	This person is: Applicant for	applicant and inventor
111-4-2	Name (LAST, First)	US only
111-4-5	Address:	GAUTHIER, Cassandra
111-4-0	Address.	c/o GlaxoSmithKline
		Five Moore Drive PO Box 13398
		Research Triangle Park, NC 27707
	·	United States of America
III-4-6	State of nationality	US
111-4-7	State of residence	US
111-5	Applicant and/or inventor	
III-5-1	This person is:	applicant and inventor
111-5-2	Applicant for /	US only
111-5-4	Name (LAST, First)	HARRIS, Philip, Anthony
III-5-5	Address:	c/o GlaxoSmithKline
		Five Moore Drive
		PO Box 13398
		Research Triangle Park, NC 27709
		United States of America
III-5-6	State of nationality	GB
111-5-7	State of residence	



111-6	Applicant and/or inventor	
III-6-1	This person is:	applicant and inventor
111-6-2	Applicant for	US only
III-6-4	Name (LAST, First)	HUNTER, Robert, Neil, III
III-6-5	Address:	c/o GlaxoSmithKline
		Five Moore Drive
		PO Box 13398
		Research Triangle Park, NC 27709
		United States of America
111-6-6	State of nationality	us
111-6-7	State of residence	US
111-7	Applicant and/or inventor	
111-7-1	This person is:	applicant and inventor
111-7-2	Applicant for	US only
111-7-4	Name (LAST, First)	PACOFSKY, Gregory
III-7-5	Address:	c/o GlaxoSmithKline
		Five Moore Drive
		PO Box 13398
		Research Triangle Park, NC 27709
		United States of America
111-7-6	State of nationality	US
111-7-7	State of residence	US
111-8	Applicant and/or inventor	
III-8-1	This person is:	applicant and inventor
111-8-2	Applicant for	US only
III-8-4	Name (LAST, First)	PEEL, Michael, Robert
111-8-5	Address:	c/o GlaxoSmithKline
		Five Moore Drive
		PO Box 13398
		Research Triangle Park, NC 27709
		United States of America
III-8-6	State of nationality	GB
111-8-7	State of residence	us
111-9	Applicant and/or inventor	
III-9-1	This person is:	applicant and inventor
111-9-2	Applicant for	US only
111-9-4	Name (LAST, First)	STAFFORD, Jeffrey, Alan
111-9-5	Address:	c/o GlaxoSmithKline
		Five Moore Drive
		PO Box 13398
		Research Triangle Park, NC 27709
		United States of America
111-9-6	State of nationality	US
111-9-7	State of residence	US





IV-1-1 Name (LAST, First)  IV-1-2 Address:  C/o GlaxoSmithKline Corporate Intellectual I Department Five Moore Drive		
Corporate Intellectual Department		
Department		
1 -		
Five Moore Drive	: -	
	: -	
PO Box 13398		
Research Triangle Park,		
United States of America	a.	
IV-1-3 Telephone No. 919-483-2252		
IV-1-4 Facsimile No. 919-483-7988		
IV-1-5 Agent's registration No. 27,655		
IV-2 Additional agent(s) additional agent(s) wit	n same address as	
first named agent		
IV-2-1 Name(s) LEMANOWICZ, John (37, 380	)	
V Designation of States		
V-1 Regional Patent AP: GH GM KE LS MW MZ S	SL SZ TZ UG ZM	
fairy, are openined between parentileded (	ZW and any other State which is a	
after the designation(s) concerned) Contracting State of th	e Harare Protocol	
and of the PCT		
EA: AM AZ BY KG KZ MD R		
other State which is a	<del>-</del>	
of the Eurasian Patent	Convention and of	
the PCT		
EP: AT BE BG CH&LI CY C		
FR GB GR HU IE IT LU MC		
SK TR and any other Sta		
Contracting State of the P	_	
OA: BF BJ CF CG CI CM G	·	
NE SN TD TG and any oth		
a member State of OAPI	·	
State of the PCT		
V-2 National Patent AE AG AL AM AT AU AZ BA	BB BG BR BY BZ	
(other kinds of protection or treatment, if any, are specified between parentheses	#	
after the designation(s) concerned)  EE EG ES FI GB GD GE GH		
IN IS JP KE KG KP KR KZ		
LU LV MA MD MG MK MN MW		
OM PG PH PL PT RO RU SC	SD SE SG SK SL	
SY TJ TM TN TR TT TZ UA	UG US UZ VC VN	
YU ZA ZM ZW		



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V-5	Precautionary Designation Statement	<u> </u>	
	In addition to the designations made		
	under items V-1, V-2 and V-3, the		
	applicant also makes under Rule 4.9(b)		
	all designations which would be		
	permitted under the PCT except any designation(s) of the State(s) indicated	÷	
	under item V-6 below. The applicant		•
	declares that those additional		
	designations are subject to confirmation		;
	and that any designation which is not confirmed before the expiration of 15		•
	months from the priority date is to be		
	regarded as withdrawn by the applicant	`	
V-6	at the expiration of that time limit.		· · · · · · · · · · · · · · · · · · ·
V-0	Exclusion(s) from precautionary designations	NONE	
VI-1	Priority claim of earlier national		
	application		
VI-1-1	Filing date	10 October 2002 (10.	10.2002)
VI-1-2	Number	60/417,548	•
VI-1-3	Country	us	
VI-2	Priority document request		
	The receiving Office is requested to	VI-1	
	prepare and transmit to the International		
	Bureau a certified copy of the earlier application(s) identified above as		
	application (c) lacination above as	1	
	item(s):		
VII-1	International Searching Authority	United States Patent	and Trademark
VII-1		ł	
VII-1	International Searching Authority	<b>)</b>	
	International Searching Authority Chosen  Declarations Declaration as to the identity of the	Office (USPTO) (ISA/	
VIII VIII-1	International Searching Authority Chosen  Declarations  Declaration as to the identity of the inventor	Office (USPTO) (ISA/1  Number of declarations  -	
VIII	International Searching Authority Chosen  Declarations  Declaration as to the identity of the inventor  Declaration as to the applicant's	Office (USPTO) (ISA/	
VIII VIII-1	International Searching Authority Chosen  Declarations  Declaration as to the identity of the inventor	Office (USPTO) (ISA/1  Number of declarations  -	
VIII VIII-1 VIII-2	International Searching Authority Chosen  Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	Office (USPTO) (ISA/1  Number of declarations  -	
VIII VIII-1	International Searching Authority Chosen  Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's	Office (USPTO) (ISA/1  Number of declarations  -	
VIII VIII-1 VIII-2	International Searching Authority Chosen  Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing	Office (USPTO) (ISA/1  Number of declarations  -	
VIII VIII-1 VIII-2	International Searching Authority Chosen  Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's	Office (USPTO) (ISA/1  Number of declarations  -	
VIII VIII-1 VIII-2	International Searching Authority Chosen  Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application Declaration of inventorship (only for the	Office (USPTO) (ISA/1  Number of declarations  -	
VIII VIII-1 VIII-2 VIII-3	International Searching Authority Chosen  Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application Declaration of inventorship (only for the purposes of the designation of the	Office (USPTO) (ISA/1  Number of declarations  -	
VIII VIII-1 VIII-2 VIII-3	International Searching Authority Chosen  Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application Declaration of inventorship (only for the purposes of the designation of the United States of America)	Office (USPTO) (ISA/1  Number of declarations  -	
VIII VIII-1 VIII-2 VIII-3	International Searching Authority Chosen  Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application Declaration of inventorship (only for the purposes of the designation of the	Office (USPTO) (ISA/1  Number of declarations  -	
VIII-1 VIII-2 VIII-3 VIII-4 VIII-5	International Searching Authority Chosen  Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application Declaration of inventorship (only for the purposes of the designation of the United States of America) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	Office (USPTO) (ISA/1  Number of declarations  -	US)
VIII-VIII-1 VIII-2 VIII-3 VIII-4 VIII-5	International Searching Authority Chosen  Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application Declaration of inventorship (only for the purposes of the designation of the United States of America) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty Check list	Office (USPTO) (ISA/ Number of declarations number of sheets	
VIII-1 VIII-2 VIII-3 VIII-4 VIII-5	International Searching Authority Chosen  Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application Declaration of inventorship (only for the purposes of the designation of the United States of America) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty  Check list Request (including declaration sheets)	Office (USPTO) (ISA/ Number of declarations number of sheets 6	US)
VIII-VIII-1 VIII-2 VIII-3 VIII-4 VIII-5  IX IX-1 IX-2	International Searching Authority Chosen  Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application Declaration of inventorship (only for the purposes of the designation of the United States of America) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty Check list Request (including declaration sheets) Description	Office (USPTO) (ISA/1 Number of declarations number of sheets 6 187	electronic file(s) attached
VIII-VIII-1 VIII-2 VIII-3 VIII-4 VIII-5 IX IX-1 IX-2 IX-3	International Searching Authority Chosen  Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application Declaration of inventorship (only for the purposes of the designation of the United States of America) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty Check list Request (including declaration sheets) Description Claims	Office (USPTO) (ISA/1 Number of declarations number of sheets 6 187 25	electronic file(s) attached
VIII-VIII-1 VIII-2 VIII-3 VIII-4 VIII-5 IX IX-1 IX-2 IX-3 IX-4	International Searching Authority Chosen  Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application Declaration of inventorship (only for the purposes of the designation of the United States of America) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty Check list Request (including declaration sheets) Description Claims Abstract	Office (USPTO) (ISA/1 Number of declarations number of sheets 6 187 25	electronic file(s) attached
VIII-VIII-1 VIII-2 VIII-3 VIII-4 VIII-5 IX IX-1 IX-2 IX-3	International Searching Authority Chosen  Declarations Declaration as to the identity of the inventor Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application Declaration of inventorship (only for the purposes of the designation of the United States of America) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty Check list Request (including declaration sheets) Description Claims	Office (USPTO) (ISA/1 Number of declarations number of sheets 6 187 25	electronic file(s) attached



	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	<b>√</b>	-
IX-11	Copy of general power of attorney	reference no. none	-
IX-12	Statement explaining lack of signature	<b>√</b>	-
IX-17	PCT-EASY diskette		Diskette
IX-18	Other (specified):	PCT POA for inventors Cheung, Dickerson, Harris, Hunter	-
IX-18	Other (specified):	PCT POA for BROWN and GAUTHIER	-
IX-19	Figure of the drawings which should accompany the abstract		
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative	It Pleum	une
X-1-1	Name (LAST, First)	EMANOWICZ, John	

## FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/US
10-6	Transmittal of search copy delayed until search fee is paid	

## FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by	
	the International Bureau	